

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE <b>J</b>		PAGE OF PAGES <b>1   41</b>	
2. AMENDMENT/MODIFICATION NO. <b>0004</b>		3. EFFECTIVE DATE <b>22-Jan-2007</b>		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)	
6. ISSUED BY AFGHANISTAN ENGINEER DISTRICT US ARMY CORPS OF ENGINEERS KABUL APO AE 09356		CODE <b>W917PM</b>		7. ADMINISTERED BY (If other than item 6)  <b>See Item 6</b>		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. <b>W917PM-07-R-0027</b>	
				X		9B. DATED (SEE ITEM 11) <b>29-Dec-2006</b>	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.</b> <b>IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  Design and construct a new Counter Narcotics Regional Law Enforcement Compound (CN-RLEC) in Jalalabad, Afghanistan. This project will be attached to an existing Regional Training Center (RTC) which together will provide a regional base from which counter narcotics forces may operate.  Time and date for receipt of proposals is extended to not later than 5:00 PM Monday February 5, 2007.  Offer questions and U. S. Government answers are provided.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)				BY _____ (Signature of Contracting Officer)		22-Jan-2007	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**SUMMARY OF CHANGES**

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

PRE-PROPOSAL CONFERENCE

Representatives attended the 16 January 2007 Pre-Proposal Conference from the following firms:

KBCPMC

APWO.CC, DCC, SCPC JV

Technologists Inc.

Metag

Red Sea/UIP JV

ZCC

CII

ICCS

HWCMC

SBSCC

DICC

QUESTIONS AND ANSWERS

Question #1. SF 1442 Block 11 (page 3) & Section 00150 para 4 (page 21) Project Schedule Reference SF 1442 states that Contractor shall begin performance after receiving notice to proceed. Reference Specification implies that certain activities must be started prior to Notice to Proceed, since completion dates are indicated as counting from Award of Contract. The Specification should be rewritten in conformance with the SF 1442.

Answer #1. See attached revised Section 00150

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Question #2 - Section 01010 para 2.6.2 (page 51) Guard House and Reception House  
- Appendices – Walk-in Center (page 261)

#1. Specification requires a voice activated system shall be in place on the outside of the reception house so that visitors can call in for meetings when they arrive. Since this is specified as voice activated, is this intended to be an intercom system so that the visitor at the entrance can communicate with a receptionist?

#2. The specification requires a peep hole in the exterior door of a two-door entry, which means that a receptionist upon notification of a visitor will proceed to the door to open it. The drawing does not show a receptionist's room adjacent to the entrance door. Should this function be a guard function, which would mean placing the visitor entrance adjacent to the guard house?

#3. The drawing indicates an open courtyard for the reception area. Should this area be covered for use during all weather conditions and to provide a measure of security from missiles or grenades lobbed over the wall?

Answer #2

#1 – It is an intercom system.

#2 – It will be decided during Design Charrette.

#3 – It will be decided during Design Charrette.

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Question #3 - Section 01010 para 2.7 (page 52) Dining and Admin Facility  
- Section 01010 para 2.12 (page 56) Ammunition Magazine Facility

Reference specification for Ammunition Magazine Facility requires a door alarm system. Also, reference specification for the evidence room requires an alarm system to secure this room. Will a door alarm system suffice for the evidence room? Will door alarm system for these doors be a local alarm or will it activate an alarm in the guard house or both?

Answer #3 Door alarms are localized for each building.

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Question #4

- Section 00010 (page 5) Proposal Schedule also known as Contract Line Item Numbers (CLIN)
- Section 00110 para 2.1 (page 12) Proposal Schedule
- Section 01010 para 2.4.2 (page 50) Chlorination Shelter
- Section 01015 para 2.3.8 (page 67) Chlorine Building
- Section 01015 para 3.15 (page 88) Design-Build Guidance
- Section 01321 para 3.3.4 (page 147) Cost

Reference Specification Section 01321 para 3.3.4 requires that each work item in the project schedule have a corresponding cost representing the total cost, such as material, labor, equipment, and overhead associated with that item. The total cost of the work items shall be equal to the Bid Price for that sub-line item of the Proposal Schedule.

The Reference Proposal Schedule as currently broken down and listed in the RFP is inconsistent with the way the project work activities would be broken down and scheduled. This discrepancy will show up when the Contractor attempts to develop the project schedule per Section 01321 and tries to compute the cost of individual line items to total the Bid Price for that sub-line item of the Proposal Schedule.

Here are specific items that require correction:

- Item No. 0003 Buildings (Construction) – The definition of sub-line items under this item should clearly indicate that plumbing and electrical work inside the buildings is included in the scope of work for building sub-line items under this item. Exterior plumbing and electrical work is included for these respective trades in sub-line items under Item No. 0002 Site Development (Construction).
- Item No. 0003AA Well and Water Storage – This item should be deleted as it duplicates item no. 0002AC Water Well and Distribution System and is part of Site Development (Construction).
- Item No. 0003AB Generators and Tanks – This item should be deleted as it duplicates item no. 0002AF Electric Distribution System and is part of Site Development (Construction).
- Item No. 0003AC Sewage Treatment – This item should be deleted as it duplicates item no. 0002AD Sewage Treatment System and is part of Site Development (Construction).
- Item No. 0003AG Helo Pad – This item should be transferred as a separate line item under 0002 Site Development (Construction).
- Item No. 0003AH Guard Houses – This item should be transferred under item no. 0002AB Site Security.
- Item No. 0003AJ Security Perimeter Walls – This item should be transferred under item no. 0002AB Site Security.
- Item No. 0004 Option Design-Build Guidance – This item is apparently described in Section 01015 para 3.15 which includes three subparagraphs, one of which is labeled OPTION #1. This line item should be better defined as to what is included in the scope of work for this item so that costs can be estimated.
- Item No. 0005 Option Water Treatment Building – This item is apparently described in Section 01015 para 3.15.2 Water Treatment Building. However, including this item as an option is inconsistent with Section 01010 para 2.4.2 Chlorination Shelter and Section 01015 para 2.3.8 Chlorine Building, where this facility is included in the scope of work and not described as options.

Answer #4 See attached revised Sec 00010. Specifications will not be revised. Contractor needs to use his best judgment to develop the cost estimate for each line item.

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Question #5

- Section 00010 (page 5) Proposal Schedule also known as Contract Line Item Numbers (CLIN)
- Section 00110 para 2.1 (page 12) Proposal Schedule
- Section 01010 para 2.12 (page 56) Ammunition Magazine Facility
- Section 01010 para 2.13 (page 56) Motor Pool Building
- Section 01010 para 2.14.2.1 (page 57) Refueling Point
- Section 01010 para 2.19 (page 57) Solid Waste Collection Point
- Section 01321 para 3.3.4 (page 147) Cost

- Reference Specification Section 01321 para 3.3.4 requires that each work item in the project schedule have a corresponding cost representing the total cost, such as material, labor, equipment, and overhead associated with that item. The total cost of the work items shall be equal to the Bid Price for that sub-line item of the Proposal Schedule.
- The Reference Proposal Schedule as currently broken down and listed in the RFP does not list all project facilities. This omission will show up when the Contractor attempts to develop the project schedule per Section 01321 and tries to compute the cost of individual line items to total the Bid Price for that sub-line item of the Proposal Schedule and finds no such sub-line item.
- Here are specific items to be constructed that should be added as CLIN under Item No. 0003 Buildings (Construction):
  - Item No. 0003AK Ammunition Magazine Facility
  - Item No. 0003AL Motor Pool Building
  - Item No. 0003AM Refueling Point
  - Item No. 0003AN Solid Waste Collection Point

Answer #5 Specifications will not be revised. Contractor to use his best judgment and develop price proposal using information on-hand.

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Comment #6 In Section 00110 of the subject RFP it states that:

Proposal submittal shall include one original and five copies of the Volume I and Volume II proposals and one original and two copies of the Volume II proposal.

I would assume this should read “one original and five copies of the Volume I and one original and two copies of the Volume II.” If you could confirm our reading of this, it would be much appreciated.

Response #6 See revised Section 00110 in this amendment. Be guided by the statement “Sealed offer in original and 4 copies” as stated in Block 13 on Standard Form 1442 of the solicitation. The page limitation statement in Section 00110 is removed.

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Request #7 Please provide blast impact force values.

Response #7 Blast impact force data is attached, titled “Force Protection Requirements for Inhabited Buildings.”

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Question #8 Is it required to integrate a cable LAN, or can wireless WLAN be used?

Answer #8 WLAN is not to be used.

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Question #9 What standard is to be followed for designing the helicopter landing pad?

Answer #9 The helio pad standard is found in solicitation Section 01010 paragraph 2.16 Heliopad.

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Question #10 Helipad: Which type(s) of helicopter(s) will be in use?

Answer #10 CH-47 Chinook Helicopters, per Section 01010 paragraph 2.16.

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Question #11 Helipad: Is it necessary to integrate light markings (standard colors) in the pad?

Answer #11 Light markings are not required in the helio pad.

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Question #12 Buildings: Which U-value will be required for thermal design of the compound buildings?

Answer #12 If R-values are meant by U-values, R-values are found in Section 01010 paragraph 4.1.5.13. Walls should have R-20 ratings and roofs should have R-30 ratings.

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Comment #13 In the interest of facilitating communication between interested prime contractors and subcontractors, it is requested that the list of attendees at the pre-proposal conference be published, to include contact information.

Response #13 Pre-proposal conference representation by company name appears in this amendment. A spreadsheet with listing of contractors may be viewed at the AED Contracting web page address: <http://www.aed.usace.army.mil/contracting/AEDVendorsList.pdf>

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Question 14

**SPECIAL FACILITIES AND SERVICES TO BE FURNISHED BY THE CONTRACTOR**

In the RFP Special Clauses 01060, Section 1.14, the following facilities/equipment/services are to be supplied by the contractor for USACE staff use on the project. Kindly confirm the requirement for the items mentioned in Section 1.14, i.e.;

- 1.14.1 Field Office Facility
- 1.14.2 Field Housing Facility
- 1.14.3 Services for the Field Office Facility and Field Housing Facility
- 1.14.4 Transportation

Answer #14 See attached revised Sec 01060.

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Question 15

Facility Communications Systems

Is a complete facility communications system with wiring, antennas, & equipment required or simply conduit placement with pull wires with wiring, equipment and hook up by others at a later date?

Answer #15 Yes. Provide complete communication system.

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Question 16

Sanitary Waste

Is a waste water treatment aerated stabilization pond preferred or would solid waste transfer points for collection and removal meet the project requirements?

Answer #16 Provide either solid waste transfer points for collection and removal or septic system with leach field.

SECTION 00010 - SOLICITATION CONTRACT FORM

The required response date/time has changed from 01-Feb-2007 05:00 PM to 05-Feb-2007 05:00 PM.

SUBCLIN 0002AA

This SUBCLIN has been renumbered to SUBCLIN 0002AB.

SUBCLIN 0002AB

This SUBCLIN has been renumbered to SUBCLIN 0002AC.

SUBCLIN 0002AC

This SUBCLIN has been renumbered to SUBCLIN 0002AD.

SUBCLIN 0002AD

This SUBCLIN has been renumbered to SUBCLIN 0002AE.

SUBCLIN 0002AE

This SUBCLIN has been renumbered to SUBCLIN 0002AF.

SUBCLIN 0002AF

This SUBCLIN has been renumbered to SUBCLIN 0002AG.

SUBCLIN 0002AG

This SUBCLIN has been renumbered to SUBCLIN 0002AH.

SUBCLIN 0003AA

The CLIN extended description Well House, Water Storage and Water Treatment Building has been added.

CLIN 0004

The CLIN type priced has been deleted.

The CLIN description has changed from Desin-Build Guidance to DELETED - Design-Build Guidance.

The CLIN extended description This CLIN is DELETED - not to be priced has been added.

The pricing detail quantity 1.00 has been deleted.

The unit of issue Lump Sum has been deleted.

CLIN 0005

The CLIN type priced has been deleted.

The CLIN description has changed from Water Treatment Building to Water Treatment Building - Deleted.

The CLIN extended description This CLIN is deleted - not to be priced. It is included in SCLIN 0003AA has been added.

The pricing detail quantity 1.00 has been deleted.

The unit of issue Lump Sum has been deleted.



## Section 00010 Proposal Schedule

## 0001 Master Planning/Design Program

0001AA Design Costs:	Lump Sum	\$_____
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## 0002 Site Development (Construction)

0002AA Site Clearance UXO/ Demining	Lump Sum	\$_____
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0002AB Grading and Storm Water Management	Lump Sum	\$_____
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0002AC Site Security (ECP's & GT)	Lump Sum	\$_____
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0002AD Water Well & Distribution System	Lump Sum	\$_____
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0002AE Sewage Treatment System	Lump Sum	\$_____
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0002AF Electric Distribution System	Lump Sum	\$_____
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0002AG Communications Distribution	Lump Sum	\$_____
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0002AH Parking, Roads, and Walks	Lump Sum	\$_____
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Sub-Total Site Development only \$\_\_\_\_\_

## 0003 Buildings (Construction)

0003AA Well House, Water Storage and Water Treatment Building	Lump Sum	\$_____
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0003AB Generators & Tanks	Lump Sum	\$_____
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0003AC Sewage Treatment	Lump Sum	\$_____
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0003AD Housing Facilities	Lump Sum	\$_____
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0003AE Administrative/Dining Facility	Lump Sum	\$_____
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0003AF Holding cell Facility	Lump Sum	\$_____
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0003AG Helo Pad	Lump Sum	\$_____
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0003AH Guard Houses	Lump Sum	\$_____
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0003AJ Security Perimeter Walls	Lump Sum	\$_____
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Sub-Total Buildings only \$\_\_\_\_\_

TOTAL PROPOSAL ITEMS  
(total of all above costs - includes design and construction)

\$ \_\_\_\_\_

## SECTION 00100 - BIDDING SCHEDULE/INSTRUCTIONS TO BIDDERS

The following have been modified:

00110

### SECTION 00110

#### PROPOSAL PREPARATION

##### PART 1 - GENERAL

A. PROPOSAL PREPARATION. Instructions for the preparation and organization of each proposal are included herein. The proposal submittal shall include one original and five copies of the Volume I and Volume II and one original and two copies of the Volume II proposal. The Volume II proposal shall be sealed in a single package separate from the Volume I and Volume II proposals and both packages shall be clearly marked. The proposal shall be submitted as required herein and elsewhere in the RFP.

#### 1. VOLUME I – MANAGEMENT-TECHNICAL PROPOSAL PREPARATION

1.1 Content. The Management/Technical proposal shall include the information as described below and shall be presented in the sequence listed.

1.1.1 Factor 1 - Past Evaluations/Performance. For the projects listed under Paragraph 1.1.2, Factor 2 - Experience, provide the following information (Attachment 1):

- Project Manager's (Point of Contact) name, telephone, email
- List the problems encountered and the corrective actions taken
- List of change orders and circumstances associated with them
- Construction time duration beyond the contract time and why.
- Construction cost in dollars beyond the contract amount and why.
- Safety record and accident report
- The offeror may also provide letters of recommendation, references, performance evaluations or other evidence of successful performance of the project.

The Source Selection Evaluation Board may attempt to contact the references provided in the list of projects. They may also contact Government personnel who have worked with the offerors. References comments may affect the scoring of proposals. It is important to verify that the points of contact listed are still available at the phone number and addresses provided and that they are individuals who have sufficient knowledge of the project and your performance to be able to offer meaningful comments.

In the event that an offeror does not have a record of past performance, a written explanation of the

reasons why no record is available is requested. In the case of an offeror without a record of relevant past performance or for whom information on past performance is not available, the offeror will not be evaluated favorably or unfavorably on past performance. A neutral rating with unknown risk will be assigned.

1.1.2 Factor 2 – Experience. Demonstrate the experience of the team, including sub-contractors, on projects similar to that described in this RFP which use the design-build process. Provide a list of no more than ten similar and relevant design-build projects underway or completed in the last five years that best demonstrates your experience. The list of projects shall include the following information (Attachment 2):

- Project name and location.
- Nature of firm's responsibility (design/build or design or construction).
- Project owner's name, address, telephone, email (to be contacted by the Government).
- Contractor a prime or sub-contractor for this project
- Project completion date (estimated if in progress)
- Construction cost
- Brief explanation that illustrates your design/build capabilities and relevant job experiences.

#### 1.1.3 Factor 3 - Project Management

The Project Management Plan shall include the following (Attachment 3):

- The team structure described with an organizational chart (Attachment 4) to include:
  - Key design personnel names and their title
  - Key construction personnel and their title.
- The quality control process for both design work.
- The quality control process for construction work.
- The interaction process with the Corps of Engineers and the roles that the team members will have in dealing with;
  - Processes for resolving problems like modifications to the contract (design and construction).
  - Resolving potential design or construction delays
  - Reviewing and approving submittals
  - Attending progress meetings and facilitating contract completion and closeout.
  - Process to control cost over runs while maintaining the project budget during design and construction.

Do NOT provide biographical information in this section.

Limit discussion to no more than two pages.

#### 1.1.4. Factor 4 – Personnel and Equipment Resources

1.1.4.1 Sub-Factor 1 - Personnel. Provide professional resume data on the following individuals who will be key personnel on the project team. Key personnel identified in this section should be senior working-level people who will be involved in design and construction on a day-to-day basis, as opposed to departmental level supervisors or executives. By identifying these personnel, the offeror makes a commitment that, barring unforeseen circumstances; they are the personnel who shall be assigned to the project. All key personnel shall have a minimum of five years of professional experience. (Attachment 5)

- Project Manager for design and for construction
- Quality Control Manager
- Project Architect
- Senior Structural Engineer
- Senior Civil Engineer
- Senior Mechanical Engineer
- Senior Electrical Engineer
- Fire Protection Engineer
- Construction Superintendent
- Construction Foreman (if different from above)

Information to be provided for key personnel should be limited to no more than one-half page per person and shall include: (Attachment 5)

- Name and title
  - Project assignment
  - Name of firm with which associated
  - Years experience with this firm and with other firms
  - Education degree(s), year, specialization
  - Active registration, year first registered
  - Other experience and qualifications relevant to the proposed project
- Provide the proposed use of Afghan contractors and labor in numbers or percentages.

1.1.4.2 Sub-factor 2 – Equipment Resources. Provide equipment resources to be utilized for this project (i.e. offices, shops, warehouses, machinery, construction tools, vehicles, loaders, etc.) and other resources (i.e. cooperating companies supplying materials and/or services)

## 1.2 Format

1.2.1 Volume I shall be typed, with numbered pages and sections tabbed. A cover sheet shall identify the offeror and the project and the second sheet shall be a table of contents. The Volume I proposal is limited to no more than 50 single-sided or 25 double-sided pages, printed on 8-1/2" x 11" sheets, not including the cover sheet and table of contents. Do not use condensed print. Do not submit any extraneous materials with your proposal.

## 2. VOLUME II - COST/PRICE PROPOSAL PREPARATION

2.1 Proposal Schedule. Offerors shall provide a signed cover letter and complete the Proposal Schedule by filling out the pricing data blanks. An executable Proposal Schedule is included in Section 00010 herein. Overhead and profit shall be applied proportionally to each category and shall not be required to be shown separately. The proposal shall include allowances in the Cost/Price Proposal and shall schedule any contingency for weather delays for severe weather in accordance with weather requirements. All costs and prices shall be firm.

2.2 Cost/Price Supporting Information. In addition to the completed pricing schedule, the contractor

shall provide supporting information in the way of cost breakdowns and assumptions made in determining the proposed prices for this project. A written description of the proposed methods, techniques, approaches, assumptions, etc. shall be provided to assist the Government in evaluating the reasonableness and completeness of the proposed pricing.

#### B. CLARIFICATIONS AND FINAL PROPOSAL REVISION:

1. General. Any conflicting criteria which cannot be resolved by the Order of Precedence specified in Section 00555, DESIGN CONCEPT DOCUMENTS shall be brought to the attention of the Government by the offeror as part of the written clarification requirement of the proposal. In the absence of such request for clarification, the offeror shall perform to the most beneficial criteria as determined by the Government.

2. Clarifications Prior to Proposal Due Date. In the event that clarifications are required prior to submitting the proposal, contact the individuals listed on the RFP letter. All RFP holders shall be advised of significant clarifications affecting the scope of the project.

3. Clarifications Submitted with Proposals. If clarifications remain at the time and date that proposals are due, written clarifications may be included in the proposal for consideration by the Government. Clarifications submitted with proposals shall clearly identify the understanding of the RFP documents and how this understanding is reflected in the cost proposal. Extensive qualifications, exclusions and exceptions in the form of clarifications may be considered by the Government to be non-responsive and may be grounds for rejection of the proposal.

#### 4. Final Proposal Revision(s):

4.1 While it is not the intent of the Government to conduct discussions, the Government reserves the right to conduct discussions if holding discussions is deemed to be in the best interest of the Government. Offers should contain the offeror's best terms from a cost and management standpoint.

4.2 The Government may contact those firms whose proposals are within the competitive range and conduct discussions/negotiations concerning their proposal. Following resolution of the discussions/negotiations, offerors in the competitive range shall be given the opportunity to submit their Final Proposal Revision (otherwise known as 'Best and Final offer').

-- End of Section --

00120

### SECTION 00120

## PROPOSAL EVALUATION AND CONTRACT AWARD

### PART 1 – GENERAL

A. BASIS FOR AWARD. The Government intends to make one award for completion of the subject project. The award will be made to the offeror whose proposal represents the best overall value to the Government. Competing proposals shall be evaluated against the requirements of the solicitation in order

to assess strengths, weaknesses and associated risks and deficiencies. The tradeoff process of evaluation between non-cost/price and cost/price aspects of the offerors' proposals will be used to determine those offers that may result in award of a contract. Implicit in the Government's evaluation and selection process is its willingness to accept other than the lowest priced offers.

## B. PROPOSAL EVALUATION.

B.1 Proposals will be evaluated by a Source Selection Evaluation Board (SSEB). The SSEB will be composed of Corps of Engineers personnel and possibly a customer representative. The identity of SSEB members is confidential and members will not be available for contact or discussion prior to submission of proposals.

B.2 The Volume I (Management Technical) [and Volume II (Preliminary Design)] factors are listed in descending order of importance. Sub-factors under each factor are of equal importance. The factors and sub-factors will be evaluated and assigned merit ratings using the adjectives of excellent (E), good (G), satisfactory (S), marginal (M), and unsatisfactory (U). The non-pricing Volumes (I, Management-Technical and II, Preliminary Design) taken together have equal weight to the pricing factor (Volume II) in the evaluation and selection process.

### 1. VOLUME 1 – MANAGEMENT-TECHNICAL PROPOSAL EVALUATION CRITERIA.

#### 1.1 Content

1.1.1 Factor 1 – Past Evaluations/Performance. This factor may be evaluated by contacting references for customer satisfaction and review of quality performance evaluations or other information provided by the offeror or obtained by the Government. The evaluators will consider the relevance of the past performance information and the success achieved on past projects to determine the rating. In the event that an offeror does not have a record of past performance evaluations, a written explanation of the reasons why no record is available is requested. In the case of an offeror without a record of relevant past performance evaluations or for whom information on past performance is not available, the offeror will not be evaluated favorably or unfavorably on this factor. A neutral rating will be assigned.

Proposals with the most convincing evidence will receive the highest ratings.

1.1.2 Factor 2 - Experience. The Government will evaluate the relevant work experience of the contractor's company and designer, including subcontractors, on projects similar to that described in this RFP which use the design-build process. Contractor experience with similar relevant projects (type of construction, dollar value, design-build method, complexity) will receive a higher rating than those with dissimilar or non-relevant projects.

Proposals with the most convincing evidence will receive the highest ratings.

#### 1.1.3 Factor 3 – Project Management Plan.

The Government will evaluate and rate the Project Management Plan which will include the contractor's and designer's key personnel professional qualifications and relevant work experience, the company's quality control procedures, their ability to team work (engineers, sub-contractors and the government), their ability to handle cost controls and managing construction time tables completion, their ability to resolve problems and describe their interactions with the Corps of Engineers.

Offers which deviate from RFP specifications or requirements may be considered weak or deficient.

Proposals the most convincing evidence will receive the highest ratings.

#### 1.1.4 Factor 4 – Personnel and Equipment Resources.

1.1.4.1 Sub-factor 1 – Personnel. The Government will evaluate the qualifications and experience of contactor's & designer's personnel for this project. Contractor personnel with experience with similar relevant projects (type of construction, dollar value, design-build method, complexity) will receive a higher rating than those with dissimilar or non-relevant project experience. Other personnel including the use of Afghan workers will be evaluated.

Proposals with the most convincing evidence will receive the highest ratings.

1.1.4.2 Sub-factor 2 – Equipment Resources- The Government will evaluate the adequacy of the offeror's equipment resources to successfully complete the project.

Proposals with the most convincing evidence will receive the highest ratings.

1.2 Format. Proposal will be evaluated based on adherence to format requirements of Section 00110, Proposal Preparation.

## 2. VOLUME II – PRELIMINARY DESIGN PROPOSAL EVALUATION CRITERIA.

### 2.1 Content

2.1.1 Factor 1 - Technical Sufficiency. The Government will evaluate the proposal for engineering sufficiency and soundness of the basic approach to the design for each technical discipline and response to all required and applicable codes, standards and criteria. The durability, operability, maintainability, and sustainability of materials and building components and systems will also be evaluated. Proposals with the most convincing evidence will receive the highest ratings.

2.1.2 Factor 2 – Design-Construction Schedule. The Government will evaluate the response to the required project schedule and the completeness, reasonableness and overall quality of the schedule. The Government will also evaluate the plan to control design time and construction time. Proposals with the most convincing evidence will receive the highest ratings.

2.1.3 Factor 3 – Functional Sufficiency. The Government will evaluate the proposal for the information and functional relationships, materials and systems that meet the requirements set forth. Proposals with the most convincing evidence will receive the highest ratings.

2.1.4 Factor 4 – Value Added Features. The Government will evaluate the justification and economic analysis of any value added features that may be submitted. Proposals with the most convincing evidence will receive the highest ratings. The Government will evaluate the justification and economic analysis of any value added features that may be submitted. Proposals with the most convincing evidence will receive the highest ratings. *Offerors choosing not to provide value added features will receive a satisfactory rating.*

2.2 Format. The format of the proposal shall be as required within Section 00110 with respect to division of submitted material and maximum length.

3. VOLUME II - COST/PRICE PROPOSAL PREPARATION. The Government will evaluate whether

the Volume II cost/price proposals are complete and reasonable. The cost/price proposals will not be assigned adjective ratings but will be assigned a confidence/risk rating. The government will evaluate the proposed pricing and supporting information to determine the reasonableness and completeness of the proposed price.

#### C. METHOD OF PROPOSAL EVALUATION

C.1 Proposals will be reviewed to determine if they contain the required minimum procurement and technical data. Incomplete proposals may be eliminated. All forms shall be filled in and all requested data must be provided.

C.2 After the compliance review, the SSEB will begin evaluation and scoring the factors and sub-factors set forth herein. The Cost/Price proposal information will be evaluated (not scored) with regard to reasonable and complete pricing and associated risks.

C.3 If necessary, a competitive range may be determined. The competitive range will be comprised of the most highly rated proposals. However, the offeror is reminded that the Government intends to award without discussions and that their best offer should be provided with the initial proposal. After the determination of the competitive range, written and/or oral discussions may be conducted with all offerors within the competitive range. Upon completion of written and/or oral discussions, Final Proposal Revision will be requested.

C.4 The Government may reject any or all proposals and waive minor informalities or minor irregularities in proposals.

D. SELECTION and AWARD. Award will be made to the offeror that, in the judgment of the Contracting Officer, provides the best combination of management and technical capability and reasonable cost. The Government reserves the right to make award to other than the lowest cost offeror, price and other factors considered under the provision of "best value" to the Government.

-- End of Section --

00150

#### SECTION 00150

#### THE DESIGN/BUILD PROCESS

#### PART 1 - GENERAL

#### 1. DESIGN/BUILD (DB) PROCESS

The facility shall be designed and built by a single DB contractor. The DB contractor may be a single firm or a team of firms that includes registered Architects and Engineers either employed by or subcontracted to the DB contractor. Licensing jurisdiction of Architects and Engineers of record shall be verifiable. The DB contractor shall be the Architect/Engineer-of-Record, whether the DB contractor utilizes services of licensed architects and engineers employed by its firm or subcontracts with independent architectural and/or engineering firm(s). The DB contractor shall be solely liable for design errors and/or omissions and should be insured as the A-E firm against design errors and omissions.



Section 00555, DESIGN CONCEPT DOCUMENTS identifies project documents furnished herewith to be used as the basis for the project design and construction documents. The successful Offeror shall be required to complete the design and construction documentation, and construct the project in compliance with these completed requirements.

## 2. OUTLINE DESCRIPTION OF THE DB PHASE

No work can begin on any phase of the process until an authorization Letter to Commence for that phase is issued.

### 2.1 PROPOSAL PHASE

The Proposal Phase includes the period from the time from the issuance of the Request for Proposals (RFP) through the selection process and the final award of the DB contract.

The proposals to be submitted include a Management/Technical Proposal and a Cost/Price Proposal. The contents and organization of the proposal is described in SECTION 00110 - PROPOSAL PREPARATION. The Government will evaluate and award the DB contract to a single Offeror based upon the criteria which are outlined in SECTION 00120 - PROPOSAL EVALUATION AND CONTRACT AWARD.

### 2.2 DESIGN PHASE

The successful DB contractor shall develop and submit for formal review three submittals and the final design. The DB contractor is encouraged to develop and submit multiple cost saving proposals for innovative design alternatives.

2.2.1 The Design Phase will consist of three parts as follows:

a. Part 1 will be the basic services required to develop the first submittal which represents: 100% complete drawings and specifications for site preparation work, utility construction, paving, foundation, and structural diaphragm of all work and approximately 35% complete drawings and specifications of all other required construction documents. Part I also includes incorporating the revisions identified in the First submittal review.

After approval of the Part 1 drawings and specification submittal, the Government may issue a Letter of Authorization to commence with the Build Phase for all site and off-site utilities, clearing, grubbing, rough grading the site, demolition work, parking lot base course, foundation, and structural framing.

b. Part 2 shall include all design services required to complete the second design submittal: 100% complete drawings and specifications for site preparation work, utility construction, paving, foundation, and structural diaphragm of all work and approximately 65% complete drawings and specifications of all other required construction documents. Part 2 design shall not begin until an approval of the Part 1 submittal is issued.

c. Part 3 shall include all design services required to complete the third design submittal (100%). Part 3 design shall not begin until an approval of the Part 2 submittal is issued.

### 3. BUILD PHASE

The Build Phase will be initiated by an authorization letter.

The authorization letter will be provided separately by the Contracting Officer for each phase of the work. The Government may give the DB Contractor authorization for the Build Phase for portions of the work following review and approval of the First Design Submittal.

Weekly coordination meetings will be held at which, as a minimum, the DB Contractor's Project Manager, a representative of the Designer, the site Superintendent, and the Contractor's Quality Control Manager shall be present.

### 4. PROJECT SCHEDULE:

The following is a *suggested* internal design schedule and is subject to modification by the Offeror to suit their particular method of operation. Overall time constraints are required and cannot be changed except by contract modification. Prospective Offerors shall be required to submit a complete schedule for design and construction that meets or exceeds the overall time goals of the Government for this project.

#### Contract Award

Design Phase, Part 1 – Basic Services Pre-design Meeting	within 7 days from Award of Contract
Meeting in Kabul for Charette	within 25 days from Award of Contract
Notice to Proceed 35% Design Submittal Due Site Design at 100%	Issued the day after Design Charette within 30 days from Notice to Proceed
Location in Kabul	Submittal Review Conference if required within 7 days following 35% percent submittal review closing date
65% Design Submittal Due Site Drawing and Specifications at 100%	within 75 days from Notice to Proceed
Submittal Review Conference if required Location in Kabul	within 7 days following 65% percent submittal review closing date
Build Phase Authorization for Grading, Utilities, Roads, and Foundations	within 2 days following approval of 65% Design Package
99% Design Submittal Due All Drawings, Specifications at 99% Submittal Review Conference	within 90 days from Notice to Proceed
Submittal Review Conference if required Location in Kabul	within 7 days following 99% percent submittal review closing date

100% Design Submittal Due  
All Drawings, Specifications at 100%  
Cleared for Construction

within 120 days from Notice to Proceed

Total Design and Construction Period

455 days (performance period includes design  
and construction phases)

Liquidated damages in the amount of \$1,500 for every calendar day of delay shall be assessed and charged to the Contractor.

All days are in calendar days.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION (NOT APPLICABLE)

-END OF SECTION-

## SECTION 00800 - SPECIAL CONTRACT REQUIREMENTS

The following have been modified:

01060

### SECTION 01060 SPECIAL CLAUSES

#### PART 1 GENERAL

##### 1.1 PRECONSTRUCTION CONFERENCE

###### 1.1.1 Schedule of Meeting

At the earliest practicable time, prior to commencement of the work, the Contractor and any Subcontractors whose presence is necessary or requested, shall meet in conference with representatives of the Contracting Officer to discuss and develop a mutual understanding relative to the details of the administration and execution of this contract. This will include but not necessarily be limited to the Contractor's Quality Control (CQC) Program, the Contractor's Accident Prevention Program, submittals, correspondence, schedule, access to the work site, security requirements, interface requirements, temporary facilities and services, hazards and risks, working after normal hours or on weekends or holidays, assignment of inspectors, representations, special requirements, phasing and other aspects of this project that warrant clarification and understanding.

###### 1.1.2 Meeting Minutes

It shall be the responsibility of the Contractor's CQC System Manager to prepare detailed minutes of the Preconstruction Conference meeting and submit same to the Contracting Officer for approval within three (3) work days. Any corrections deemed necessary by the Contracting Officer shall be incorporated and resubmitted within two (2) calendar days after receipt. Upon approval of the minutes by the Contracting Officer, the Contractor shall distribute the minutes to all parties present or concerned.

## 1.2 AREA USE PLAN

The Contractor shall submit to the Contracting Officer, within ten (10) calendar days after Notice to Proceed (NTP), an Area Use Plan designating intended use of all areas within the project boundaries. This plan shall include, but not necessarily be limited to the following: the proposed location and dimensions of any area to be fenced and used by the Contractor; construction plant, plans, building, installations/the number of trailers and facilities to be used; avenues of ingress/egress to the fenced areas and details of the fence installation; drawings showing temporary electrical installations; temporary water and sewage disposal installations; material storage areas; hazardous storage areas. Any areas which may have to be graveled shall also be identified. The plan shall also include a narrative description of the building structural system, the site utility system; and the office or administration facilities. The Contractor shall also indicate if the use of a supplemental or other staging area is desired. The Contractor shall not begin construction of the mobilization facilities prior to approval by the Contracting Officer of the Area Use Plan described herein.

## 1.3 CONTRACTOR'S MOBILIZATION AREAS

### 1.3.1 General

#### 1.3.1.1 Facilities Within the Mobilization Site

All facilities within the Contractor's mobilization site shall be of substantial construction suitable for the local weather conditions. Housing, messing and sanitary facilities shall meet the requirements of Corps of Engineers Safety and Health Requirements Manual EM 385-1-1. The Contractor shall provide all utilities required to make the site self-sufficient.

1.3.1.2. Trash Disposal: The Contractor shall be responsible for collection and disposal of trash from the work areas and from the mobilization areas. All trash shall be disposed of off base in accordance with Host Nation requirements. Construction debris, waste materials, packaging material and the like shall be removed from the work site daily. Loose debris capable of being windblown, shall be immediately placed in sealed or covered containers to prevent it from being blown onto taxiways or runways. Any dirt or soil which is tracked onto paved or surfaced roadways shall be cleaned daily. Materials resulting from demolition activities, which are salvageable, shall be stored within the fenced area described above. Stored material not indoors, whether new or salvaged, shall be neatly stacked when stored.

### 1.3.2 CONTRACTOR'S MOBILIZATION AREA (ON-BASE)

The Contractor will be permitted to use the area designated by the Contracting Officer within the contract limits for operation of his construction equipment and plants, shops, warehouses, and offices. The Contractor may provide living accommodations for his work force on the site. The Contractor is responsible for obtaining any required additional mobilization area above that designated. On completion of the contract, all facilities shall be removed from the mobilization area by the Contractor and shall be disposed of in accordance with applicable Host Government Laws and Regulations. The site shall be cleared of construction debris and other materials and the area restored to its final grade.

#### 1.3.2.1 Administrative Field Offices

The Contractor may provide and maintain administrative field office facilities within the mobilization area at the designated site. Government office and warehouse facilities will not be available to the Contractor's personnel.

#### 1.3.2.2 Storage Area

The Contractor shall construct a temporary 1.8 meter high chain link fence around trailers and materials. The fence shall include plastic strip inserts, colored green or brown, so that visibility through the fence is obstructed. Fence posts may be driven, in lieu of concrete bases, where soil conditions permit. Trailers, materials, or equipment shall not be placed or stored outside the fenced area unless approved in writing by the Contracting Officer.

#### 1.3.2.3 Plant Communication

Whenever the Contractor has the individual elements of its plant so located that operation by normal voice between these elements is not satisfactory, the Contractor shall install a satisfactory means of communication, such as telephone or other suitable devices. The devices shall be made available for use by Government personnel.

1.3.2.4 Appearance of Mobilization Site Facilities and/or Trailers Mobilization Site Facilities and/or Trailers utilized by the Contractor for administrative or material storage purposes shall present a clean and neat exterior appearance and shall be in a state of good repair. Trailers or other transportable structures which, in the opinion of the Contracting Officer, require exterior painting or maintenance will not be allowed on the construction site until such work or maintenance has been performed to the satisfaction of the Contracting Officer.

#### 1.3.2.5 Maintenance of Storage Area

Fencing shall be kept in a state of good repair and proper alignment. Should the Contractor elect to traverse with construction equipment or other vehicles unpaved areas which are not established roadways, such areas shall be covered with a layer of gravel as necessary to prevent rutting and the tracking of soil onto paved or established roadways; gravel gradation shall be at the Contractor's discretion.

#### 1.3.2.6 Security Provisions

Adequate outside security lighting shall be provided at the Contractor's temporary facilities. The Contractor shall be responsible for the security of its own personnel, facilities and equipment.

#### 1.3.2.7 Sanitation

Sanitary Facilities: The Contractor shall provide and maintain within the construction area minimum field-type sanitary facilities in accordance with the requirements of EM 385-1-1 Safety and Health Requirements Manual and approved by the Contracting Officer. Government toilet facilities will not be available to Contractor's personnel.

#### 1.3.2.8 Telephone

The Contractor shall make arrangements to install and pay all costs for telephone facilities desired.

#### 1.3.2.9 Restoration of Storage Area

Upon completion of the project and after removal of mobilization facilities, trailers, materials, and equipment from within the fenced area, the fence shall be removed and will become the property of the Contractor. Areas used by the Contractor for the storage of equipment or material, or other use, shall be

restored to the original or better condition. Gravel used to traverse unpaved areas shall be removed and all such areas restored to their original conditions.

#### 1.3.2.10 Protection and Maintenance of Traffic

During construction the Contractor shall provide access and temporary relocated roads as necessary to maintain traffic. The Contractor shall maintain and protect traffic on all affected roads during the construction period except as otherwise specifically directed by the Contracting Officer. Measures for the protection and diversion of traffic, including the provision of watchmen and flagmen, erection of barricades, placing of lights around and in front of equipment and the work, and the erection and maintenance of adequate warning, danger, and direction signs, shall be as required by the Host Nation and/or base authorities having jurisdiction. The traveling public shall be protected from damage to person and property. The Contractor's traffic on roads selected for hauling material to and from the site shall interfere as little as possible with Host Nation and/or base traffic. The Contractor shall investigate the adequacy of existing roads and the allowable load limit on these roads. The Contractor shall be responsible for the repair of any damage to roads caused by construction operations.

#### 1.3.2.11 Haul Roads

The Contractor shall, at its own expense, construct access and haul roads necessary for proper prosecution of the work under this contract. Haul roads shall be constructed with suitable grades and widths; sharp curves, blind corners, and dangerous cross traffic shall be avoided. The Contractor shall provide necessary lighting, signs, barricades, and distinctive markings for the safe movement of traffic. The method of dust control shall be in accordance with the Special Clause entitled DUST CONTROL. Location, grade, width, and alignment of construction and hauling roads shall be subject to approval by the Contracting Officer. Lighting shall be adequate to assure full and clear visibility for full width of haul road and work areas during any night work operations. Upon completion of the work, haul roads designated by the Contracting Officer shall be removed.

#### 1.3.2.12 Use of Existing Roads as Haul Routes

The Contractor shall be responsible for coordinating with the Host Nation Government and the base authorities for use of any existing roads as haul routes. Construction, and routing of new haul roads, and/or upgrading of existing roads to carry anticipated construction traffic shall be coordinated with the Host Nation and Base authorities and is the sole responsibility of the Contractor.

#### 1.3.2.13 Employee Parking

Contractor employees shall park vehicles in an area approved by the Contracting Officer. Contractor employee parking shall not interfere with existing and established parking requirements of the military installation.

#### 1.3.2.14 Temporary Project Safety Fencing and Barricades

The Contractor shall impose all measures necessary to limit public access to hazardous areas and to ensure the restriction of workers to the immediate area of the construction and mobilization site. The Contracting Officer may require in writing that the Contractor remove from the work any employee found to be in violation of this requirement.

#### 1.3.2.15 Barricades

Barricades shall be required whenever safe public access to paved areas such as roads, parking areas or sidewalks is prevented by construction activities or as otherwise necessary to ensure the safety of both pedestrian and vehicular traffic. Barricades shall be securely placed, clearly visible with adequate illumination to provide sufficient visual warning of the hazard during both day and

night. Travel to and from the project site shall be restricted to a route approved by the Contracting Officer.

#### 1.4 NOT USED

#### 1.5 RESPONSIBILITY FOR PHYSICAL SECURITY

Prior to mobilization, the Contractor shall submit his proposed means of providing project security to prevent unauthorized access to equipment, facilities, materials and documents, and to safeguard them against sabotage, damage, and theft. The Contractor shall provide perimeter force protection security for the developing site. Security may include but is not limited to fence and private security guards.

Perimeter security shall prevent unauthorized site access and provide safety protection to the Contractor work force and government personnel for the duration of the project. The Contractor is solely responsible for security however local police shall be coordinated with regarding security. The Contractor shall be responsible for physical security of all materials, supplies, and equipment of every description, including property which may be Government-furnished or owned, for all areas occupied jointly by the Contractor and the Government, as well as for all work performed.

#### 1.6 NOT USED

#### 1.7 DUST CONTROL

The Contractor shall be required to control objectional dust in the work areas, access roadways, and haul roads by means of controlled vehicle speeds or dust palliatives. Vehicles transporting sand, cement, gravel or other materials creating a dust problem shall be covered, as directed by the Contracting Officer, or in accordance with local Laws, codes, and regulations.

#### 1.8 NOT USED

#### 1.9 NOT USED

#### 1.10 NOT USED

#### 1.11 CONNECTIONS TO EXISTING UTILITIES

##### 1.11.1 General

Any outage of any utility service shall be requested in writing at least fifteen (15) days in advance of the date requested for the commencement of the outage. The Contractor shall provide a request, detailing the type of outage needed (water, sewer, electrical, steam, etc.), the time needed to perform the work, the reason for the outage, and the known affected facilities. The Contracting Officer shall be contacted prior to the outage to confirm the time and date. If the Contractor fails to initiate work at the approved time, the Contracting Officer may cancel the approved outage and may direct the Contractor to resubmit a new request. No part of the time lost due to the Contractor's failure to properly schedule an outage shall be made the subject of claim for extension of time or for excess costs or damages by the Contractor.

##### 1.11.1.1 Performance of Work During Non-Standard Hours

To minimize outage impact to the mission of the Base, all outages shall be scheduled on weekends or from 2100 - 0530 hours on duty days. The period proposed for performance of the outage shall include sufficient contingencies to preclude impact to the peak working hours 0530 - 1800 hours during the work week.

#### 1.11.1.2 Exterior Night Lighting

Exterior night lighting shall be provided in conformance with EM-385-1-1 entitled Safety and Health Requirements Manual.

#### 1.11.2 Existing Underground Utilities

The Contractor shall exercise the utmost care in researching locations of existing utility lines by implementing control measures to eliminate, or reduce to a level acceptable to the Contracting Officer, the chance of damaging or destroying existing utilities.

##### 1.11.2.1 Use of Underground Utility Detecting Device

Prior to any excavation, a metal and/or cable detecting device shall be used along the route of the excavation. All underground utilities discovered by this method will be flagged a minimum distance of one-half (1/2) meter on each side of the location.

##### 1.11.2.2 Hand Excavation

Hand excavation methods and special supervisory care shall be used between any flagged markers, in areas of known or suspected hazards, and in areas known or suspected to have multiple and/or concentrated utility lines or connections.

#### 1.11.3 Repair of Damaged Utilities

The Contractor shall be responsible to repair any utilities damaged by him.

The method of repair and schedule for performance of the repair shall be coordinated with, and subject to the approval of, the Contracting Officer. The repair work and any temporary work required to keep the system operational while repairs are being completed, shall be performed at no cost to the Government.

#### 1.12 WATER (CONTRACTOR PROVIDED)

The Contractor shall provide and maintain water at his own expense for his use for construction and domestic consumption, and shall install and maintain necessary supply connections and piping for same, but only at such locations and in such manner as may be approved by the Contracting Officer. Before final acceptance of systems, or facilities, all temporary connections and piping installed by the Contractor shall be removed at his expense in a manner satisfactory to the Contracting Officer.

#### 1.13 NOT USED

#### 1.14 ELECTRICITY (CONTRACTOR PROVIDED)

Electrical service is not available for use under this contract, therefore all electric current required by the Contractor shall be the responsibility of the Contractor, furnished at his own expense. All temporary connections for electricity shall be subject to the approval of the Contracting Officer and shall comply with Corps of Engineers manual EM 385-1-1 entitled Safety and Health Requirements Manual. All temporary lines shall be furnished, installed, connected and maintained by the Contractor in a workmanlike manner satisfactory to the Contracting Officer. Before final acceptance of systems, or facilities, all temporary connections installed by the Contractor shall be removed at his expense in a manner satisfactory to the Contracting Officer.

#### 1.15 NOT USED



## 1.16 USE OF EXPLOSIVES

The Contractor shall make necessary arrangements as may be required by applicable codes, rules, regulations and laws and shall be responsible for compliance therewith for all phases of blasting operations. When blasting is required for removal of rock or other material, the Contractor shall notify the Contracting Officer prior to application for any use of explosives and take all necessary precautions for the protection of individuals and property exposed to his operation.

### 1.16.1 Handling, Storage, and Use of Explosives

The handling, storage, and use of explosives shall be governed by the applicable provisions of the following: the "BLASTING" section of the Corps of Engineers Manual EM 385-1-1, entitled Safety and Health Requirements Manual, a copy of which may be obtained from the Contracting Officer's Representative at the jobsite, and Technical Section 02201 entitled BLASTING

### 1.16.2 Blasting Permits

The Government assumes no liability for changes that may be imposed by the Afghanistan Government.

## 1.17 NOT USED

## 1.18 WORK OUTSIDE REGULAR HOURS

If the Contractor desires to carry on work outside regular Base duty hours, or on holidays, he shall submit an application to the Contracting Officer. The Contractor shall allow ample time to enable satisfactory arrangements to be made by the Government for inspecting the work in progress. At night, exterior lighting shall be provided in conformance with EM-385-1-1 entitled "Safety and health Requirements Manual".

## 1.19 SCHEDULING OF WORK IN EXISTING FACILITIES

As soon as practicable, but in any event not later than fifteen (15) calendar days after receipt of Notice to Proceed, the Contractor shall meet in conference with the Contracting Officer, or his duly authorized representatives, to discuss and develop mutual understanding relative to the scheduling of work in and access to the existing facilities where work has to be performed under this contract, so that the Contractor's proposed construction schedule is coordinated with the operating and security requirements of the installation.

## 1.20 Use of Afghan Workforce

Private sector Afghan subcontractors and workers (to include, but not limited to, laborers and skilled tradesmen) will be used to the extent that each is capable of performing required work and that locally-produced Afghan materials and equipment be used to the extent that each can satisfy contract requirements, including all technical or other specifications.

## 1.21 TIME EXTENSIONS FOR UNUSUALLY SEVERE WEATHER

### 1.21.1 General

This provision specifies the procedure for determination of time extensions for unusually severe weather in accordance with the Contract Clause 52.249-10 entitled DEFAULT (FIXED-PRICE CONSTRUCTION) APR 1984. The listing below defines the anticipated monthly unusually severe weather for the contract period and is based on National Oceanic and Atmospheric Administration (NOAA) or similar data for the geographic location of the project. The schedule of anticipated unusually severe weather will constitute the baseline for determining monthly weather time evaluations. Upon

award of this task order and continuing throughout the contract each month, actual unusually severe weather days will be recorded on a calendar day basis (including weekends and holidays) and compared to the monthly anticipated unusually severe weather in the schedule below. The term "actual unusually severe weather days" shall include days actually impacted by unusually severe weather. The Contractor's schedule must reflect the anticipated unusually severe weather days on all weather dependent activities.

#### MONTHLY ANTICIPATED UNUSUALLY SEVERE WEATHER CALENDAR DAYS

January	4 Days
February	2 Days
March	2 Days
April thru December	0 Days

##### 1.21.2 Time Extensions

The number of actual unusually severe weather days shall be calculated chronologically from the first to the last day in each month. Unusually severe weather days must prevent work for fifty percent (50%) or more of the Contractor's workday and delay work critical to the timely completion of the project. If the number of actual unusually severe weather days exceeds the number of days anticipated in the paragraph above, the Contracting Officer will determine whether the Contractor is entitled to a time extension. The Contracting Officer will convert any qualifying delays to calendar days and issue a modification in accordance with the Contract Clause 52.249-10 entitled DEFAULT (FIXED-PRICE CONSTRUCTION) APR 1984.

#### 1.22 SPECIAL FACILITIES AND SERVICES TO BE FURNISHED BY THE CONTRACTOR

The Contractor shall furnish the facilities and services listed in this clause for Corps of Engineers personnel and other persons as designated by the Contracting Officer at each project site location. All facilities, furnishings, materials, and equipment shall be new or like new when furnished at the site. The Contractor shall fully maintain and repair all facilities, furnishings, equipment, and vehicles listed below until task order completion (at that location). All facilities furnished and/or installed by the Contractor (with the exception of vehicles) under this clause shall remain the property of the Contractor during the performance period of the task order (at that location) and shall be turned over to the Government upon task order completion (at that location). The vehicles furnished by the Contractor remain the Contractor's property during and after task order performance.

##### 1.22.1 Field Office Facility

One 40'x10' (or equivalent) office to be located at the jobsite. The office shall include: desks/chairs for 6 people; two 4 drawer file cabinets; a 6-person conference table with chairs; a microwave oven; air conditioning and heating; one bathroom; one 10CF or larger refrigerator; one copy machine; One laptop computer, 600, Pentium M745 or approved equal (minimum system requirements: 2.6 GHz, Pentium M745, 80 GB hard drive, 1024 MB memory), CD/DVD RW drive, and an USB mouse. The laptop shall be equipped with Microsoft Office Professional; and one laser printer (with network interface card to allow receiving documents from the laptop computers. Contractor shall be responsible for daily cleaning and for removal of all waste from the toilet facilities. All facilities within this section as described above shall be completed and ready for Government use not later than 60 days after award of the contract.

##### 1.22.2 Not Used.

##### 1.22.3 Services for the Field Office Facility

- a. Maintain all utility systems required to support site office facilities.
- b. Provide all bottled water required for site office facility, including potable drinking water and operate and maintain the water system. All water provided will be treated to the degree as directed and approved by the Contracting Officer.
- c. Provide operation and maintenance of building structure, all furnishings and equipment contained therein, including painting and incidental repairs.
- d. Provide landscaping and dust control in area adjacent of the office.
- e. Provide vector control services, including insect and rodent control in the areas adjacent of office.
- f. Provide janitorial services in the office facility including cleaning of toilet and shower facility, furnishing of toilet tissue, soap and towels, emptying trash, vacuuming and dusting on a daily basis and all other cleaning of offices and bedrooms on a weekly basis, to the satisfaction of the Contracting Officer.
- g. Provide replacement parts such as locksets, washers, toilet floats, etc., that will be required for typical building repairs and maintenance.
- h. Provide replacement toner cartridges for laser printer in the field office. The Contractor shall maintain the printer, laptops, and provide paper for the printer as required.
- i. All buildings shall be Connex type steel structures with steel fold down covers on windows. Windows shall be 6 mm laminated glazing. Units shall have the following insulation R-30 @ Floor and Ceiling and R-19 in Walls.

#### 1.22.4 Not Used

### 1.23 STANDARDIZATION

Where two or more items of the same type or class of product, system or equipment furnished in this project are required, the units shall be products of the same manufacturer and shall be interchangeable when of the same size, capacity, internal parts, performance characteristics, finish, and rating. The only exception to this requirement is where the items are interchangeable due to conformance with industry standards (valves, fittings, etc.); they need not be by the same manufacturer. This requirement applies to all manufactured items in the project that normally require repair or replacement during the life of the equipment.

### 1.24 COMPLIANCE WITH HOST COUNTRY RULES AND CUSTOMS

The laws of Host Country may prohibit access to certain areas of the country that are under military control. The Contractor shall furnish the Contracting Officer the names of personnel, type, and amounts of equipment, dates and length of time required at the site, and the purpose of entering the host country. It is understood that areas to which rights of entry are provided by the Host Government are to be used only for work carried out under the contract and no destruction or damages shall be caused, except through normal usage, without concurrence of the Host Government.

### 1.25 PREPARATION OF AS-BUILT DRAWINGS (BY CONTRACTOR)

#### 1.25.1 General

Upon completion of each facility under this contract, the Contractor shall prepare and furnish as-built drawings to the Contracting Officer. The as-built drawings shall be a record of the construction as installed and completed by the Contractor. They shall include all the information shown on the contract set of drawings, and all deviations, modifications, or changes from those drawings, however minor, which were incorporated in the work, including all additional work not appearing on the contract drawings, and all changes which are made after any final inspection of the contract work. In the event the Contractor accomplished additional work which changes the as-built conditions of the facility after submission of the final as-built drawings, the Contractor shall furnish revised and/or additional drawings and drawing files

as required to depict final as-built conditions. The requirements for these additional drawings shall be the same as for the as-built drawings specified in this paragraph.

#### 1.25.2 Preliminary As-Built Drawings

The Contractor shall maintain a full-size set of contract drawings for depicting a daily record of as-built conditions. These drawings shall be maintained in a current, reproducible condition at all times during the entire contract period and shall be readily available for review by the Contracting Officer's Representative at all times. The as-built drawings shall be updated daily by the Contractor showing all changes from the contract plans which are made in the work, or additional information which might be uncovered in the course of construction. This information shall be recorded on the prints accurately and neatly by means of details and notes. Changes and additional information marked on the contract plans should be made in red or green color for highlighting purposes. The drawings shall show the following information, but not be limited thereto:

- a. The location and description of any utility lines or other installations of any kind or description known to exist within the construction area. The location includes dimensions to permanent features.
- b. The location and dimensions of any changes within the building or structure, and the accurate location and dimension of all underground utilities and facilities.
- c. Correct grade or alignment of roads, structures, or utilities if any changes were made from contract plans.
- d. Correct elevations if changes were made in site grading.
- e. Changes in details of design or additional information obtained from working drawings specified to be prepared and/or furnished by the Contractor including but not limited to fabrication, erection, installation plans and placing details, pipe sizes, insulation material, dimensions of equipment foundations, etc.
- f. The topography and grades of all drainage installed or affected as part of the project construction.
- g. All changes or modifications of the original design including those which result from the final inspection.
- h. Where contract drawings or specifications allow options, only the option actually used in the construction shall be shown on the as-built drawings. The option not used shall be deleted.
- i. In development of as-built drawings, the Contractor shall not substitute shop drawings for original contract drawings. All necessary information for as-built conditions shall be incorporated into contract drawings.
- j. One (1) copy of the preliminary as-built marked prints shall be delivered to the Contracting Officer at the time of final inspection of each facility for review and approval. Changes and additional information marked on the contract plans should be made in red or green color for highlighting purposes. If upon review of the preliminary as-built drawings, errors or omissions are found, the drawings will be returned to the Contractor for corrections. The Contractor shall complete the corrections in red or green color, and return the as-built marked prints to the Contracting Officer within ten (10) calendar days.

#### 1.25.3 Final As-Built Drawings

The Contractor shall update the digital contract drawing files to reflect the approved final as-built conditions and shall furnish those updated drawing files and plots of the final as-built drawings to the Contracting Officer.

- a. Only personnel proficient in the use of Computer Assisted Design and Drafting (CADD) for the preparation of drawings shall be employed to modify the contract drawing files or prepare new drawing files.
- b. Existing digital drawing files shall be updated to reflect as-built conditions. Independent drawing files containing only as-built information are not acceptable. The modifications shall be made by additions and deletions to the original drawing files, and where additional drawings are necessary, they shall be developed in individual digital files for each new drawing. All additions and corrections to the contract drawing files shall be clear and legible, and shall match the adjacent existing line work and text in type,

size, weight, and style. New or revised information placed into the design files shall be placed on the levels and in the colors used for placement of the corresponding initial data. Similarly, the drawing size, title block, and general format of new drawings shall be consistent with the format established by the original drawings.

c. In the preparation of as-built drawings, the Contractor shall remove "Bubbles" used by the Government to highlight drawing changes made during design/construction. Triangles associated with those earlier drawing changes

shall be left on the drawings and the Contractor shall not add triangles to designate modifications associated with representation of the as-built condition. The revision block identification of the drawing modifications shall be left intact and the date of completion and the words "REVISED AS-BUILT" shall be placed in the revision block above the latest existing notation. Each drawing shall have the words "DRAWING OF WORK AS-BUILT" in letters 4.5 mm (3/16") high placed below the drawing title portion of the drawing title block; between the border and the trim line.

d. The Contractor shall check all final as-built drawing files for accuracy, conformance to the initial drawing scheme and the above instructions. The Contracting Officer will review the drawings and drawing files for conformance to these standards.

e. The Contractor shall furnish the digital as-built drawing files in the format to the 2005 or latest version in common use of Autodesk, AUTOCADD. The Government will only accept the final product for full operation, without conversion or reformatting, in this format.

f. Digital drawing files shall be furnished to the Contracting Officer on CDROM or other media and format as approved by the Contracting Officer. A transmittal sheet containing the name of the files, the date of creation, the CD-ROM number, and a short description of the contents, shall accompany the CD-ROM. Provide an index in each disk cover of contents.

g. A sample drawing shall be furnished to the Contracting Officer before delivery of final as-built drawings as a test to demonstrate compliance with the above instructions and file format compatibility with the described CADD software.

h. One (1) complete set of the updated final Record Copy digital drawing files and one (1) paper plot or copy of the final Record drawings shall be delivered to the Contracting Officer within 30 calendar days of approval of the preliminary as-built drawings. If upon review of the final as-built drawings, errors or omissions are found, the drawings and drawing files will be returned to the Contractor for corrections. The Contractor shall complete the corrections and return both the digital files and the as-built prints to the Contracting Officer within ten (10) calendar days.

## 1.26 NOT USED

## 1.27 CERTIFICATES OF COMPLIANCE

Any certificates required for demonstrating proof of compliance of materials with specification requirements shall be executed in accordance with Section 01335 SUBMITTAL PROCEDURES FOR DESIGN/BUILD PROJECT. Each certificate shall be signed by an official authorized to certify in behalf of the manufacturing company involved and shall contain the name and address of the Contractor, the project name and location, description and the quantity of the items involved, and date or dates of shipment or delivery to which the certificates apply. Copies of laboratory test reports submitted with certificates shall contain the name and address of the testing laboratory and the date or dates of the tests to which the report applies. Certification shall not be construed as relieving the Contractor from furnishing satisfactory material.

## 1.28 ACCIDENT PREVENTION

The Contractor shall comply with all applicable Host Country laws and with such additional measures as the Contracting Officer may find necessary in

accordance with CONTRACT CLAUSE 52.236-13 entitled ACCIDENT PREVENTION (NOV 1991)- ALTERNATE 1 (APR 1984). Applicable provisions of the Corps of Engineers manual entitled Safety and Health Requirements Manual EM 385-1-1, will be applied to all work under this contract. The referenced manual may be obtained from the Contracting Officer's Representative at the jobsite or from the Transatlantic Programs Center at Winchester, Virginia.

#### 1.28.1 Accident Prevention Program

Within fifteen (15) days after receipt of Notice to Proceed, and at least ten (10) days prior to the accident prevention pre-work conference, four (4) copies of the Accident Prevention Plan required by the CONTRACT CLAUSE 52.236-13 entitled ACCIDENT PREVENTION (NOV 1991)- ALTERNATE I shall be submitted for review by the Contracting Officer. The Contractor shall not commence physical work at the site until the Accident Prevention Plan (APP) has been reviewed and accepted by the Contracting Officer or his authorized representative. The APP shall meet the requirements listed in Appendix "A" of EM385-1-1. The program shall include the following: TAC Form 61 " Accident Prevention Program Hazard Analysis (Activity Hazard Analysis)" fully completed and signed by an executive officer of the company in Block No. 13. The Activity Hazard Analysis is a method in which those hazards likely to cause a serious injury or fatality are analyzed for each phase of operations. Corrective action is planned in advance which will eliminate the hazards. An analysis is required for each new phase of work. On large or complex jobs, the first phase may be presented in detail with the submittal of the Accident Prevention Plan rather than presenting the complete analysis. If the plan is to be presented in phases, a proposed outline for future phases must be submitted as a part of the initial Accident Prevention Plan submittal. Accident Prevention Plans will be reviewed for timeliness and adequacy at least monthly with a signature sheet signed and dated documenting that these reviews took place. Provide a copy of company policy statement of Accident Prevention and any other guidance as required by EM 385-1-1, Appendix A.

#### 1.28.2 Ground Fault Circuit Interrupter (GFCI) Requirement – Overseas Construction

The Corps of Engineers Health and Safety Manual, EM 385-1-1, section 11.C.05.a. states: "The GFCI device shall be calibrated to trip within the threshold values of 5 ma +/- 1 ma as specified in Underwriters Laboratory (UL) Standard 943." A variance from USACE has been granted allowing 10 ma, in lieu of 5 ma, for overseas activities that use 220 Volts(V)/50 hertz(hz) electrical power.

#### 1.28.3 Temporary Power - Electrical Distribution Boxes

EM 385-1-1 section 11.A.01.a. states "All electrical wiring and equipment shall be a type listed by a nationally recognized testing laboratory for the specific application for which it is to be used." This includes temporary electrical distribution boxes. Locally manufactured electrical boxes will not be allowed. Only manufactured electrical distribution boxes that meet the European CE requirements, with 10 ma CE type GFCIs installed shall be allowed. Contractors shall:

- a. Make no modifications that might void any CE or manufacturer certification.
- b. Test the installed systems to demonstrate that they operate properly and provide the 10 ma earth leakage protection.
- c. Ensure GFCIs will have an integral push-to-test function. The testing shall be performed on a regular basis.
- d. Check that proper grounding is checked regularly and flexible cords, connectors, and sockets inspected before each use.

### 1.29 HAZARDOUS MATERIALS

Should the Contractor encounter asbestos or other hazardous materials, during the construction period of this contract, he shall immediately stop all work activities in the area where the hazardous material is discovered. The Contractor shall then notify the Contracting Officer; identify the area of danger; and not proceed with work in that area until given approval from the Contracting Officer to continue work activities. Hazardous material is considered to be asbestos, explosive devices, toxic waste, or material hazardous to health and safety. The Contractor shall secure the area from daily traffic until it is safe to resume normal activities.

### 1.30 and 1.31 NOT USED

### 1.32 OPERATION AND MAINTENANCE (O&M) DATA FOR EQUIPMENT AND SYSTEMS

#### 1.32.1 General

The requirements contained herein are in addition to all shop drawing submission requirements (e.g., SD-19) stated in other sections of the specification. The Contractor shall include provisions for obtaining the data required below in all purchase orders and sub-contract agreements issued under this contract. The Contractor shall obtain that data which is required to operate and maintain all items of equipment and all systems/subsystems under either normal or emergency operating conditions. See items listed under paragraph EQUIPMENT FOR WHICH O&M DATA MUST BE SUBMITTED for example.

#### 1.32.2 O&M Data for Equipment

##### 1.32.2.1 Equipment for Which O&M Data Must be Submitted

The Contractor shall provide all data necessary to operate and maintain all equipment purchased and/or installed under this contract. The data will consist of any O&M instructions not normally the common knowledge of a Journeyman Level Technician in the applicable trade. Provided below are examples of the general types of equipment for which the Contractor is required to submit O&M data. The examples provided are not definitive for this contract, but are provided to indicate the general types of equipment for which O&M data is required.

Control Devices Chillers

Lighting Fixtures Motor Generator Sets

Valves Cooling Towers

Motors Kitchen Equipment

Water Heaters Exhaust Fans

Compressors Plumbing Fixtures

Boilers Appliances (e.g. washing machines, food disposers, coffee urns, etc.)

##### 1.32.2.2 Data to be Provided for Each Equipment Item

For each equipment item O&M data shall be submitted as described below. For identical pieces of equipment installed within any one system, only one (1) file of O&M data for that equipment item will be required for maintenance purposes. Deviation from these requirements will require approval of the Contracting Officer. The data as a minimum will include for each equipment item, the following:

a. Equipment O&M Data Sheet: Equipment O&M data sheet shall include the equipment name, manufacturer's name and address, model number, (including characteristics and any special remarks), and the serial number(s), tag number(s) or any user assigned identification number(s), and installed location(s) of the equipment. This sheet shall be the first page of each item of equipment

O&M data package and shall contain a checklist covering paragraphs 1.32.2.2.b thru 1.32.2.2.j hereinafter.

b. Equipment Description: Equipment description shall include item name, model number, serial number, equipment price (FOB Manufacturer), electrical and/or mechanical characteristics, manufacturer's name and address, order number and all other data found on the equipment name plates. Include local/regional representative of manufacturer, name, address, telephone number, and telex number.

c. Component and Assembly Drawings/Master Parts List: Component and assembly drawings/master parts list shall contain exploded views and a master parts list clearly identifying all parts and subassemblies by manufacturer's part number. Master Part's list shall also include the price for each part (FOB Manufacturer) and effective date.

d. Control Diagrams and Sequences of Operations: Control diagrams and sequences of operations shall include operating instructions (including normal start-up, normal shut-down and emergency shut-down as applicable).

e. Performance Characteristics: Performance characteristics shall include performance curves for full range of operation, and data pertinent to characteristics of equipment provided.

f. Installation Instructions: Installation instructions shall include adjustment and alignment procedures, checkout procedures and test procedures.

g. Preventive Maintenance Procedures: Preventive maintenance procedures shall include inspection, cleaning, adjustment, service and lubrication instructions. A schedule shall be furnished for each piece of equipment listing manufacturer's recommended maintenance routine of specific tasks to be performed at specific intervals such as daily, weekly, monthly, quarterly, or based on the number of operating hours. Preventive maintenance schedules shall take into account operating conditions in Afghanistan.

h. Corrective Maintenance Procedures: Corrective maintenance procedures shall include instructions for troubleshooting, repair, overhaul and calibration.

i. Special Items: The Contractor shall prepare a list of special tools, test equipment, and safety precautions when specified in the Technical Provisions and special items that are normally provided by the manufacturer with the equipment. The list shall also include the current unit price and date for each item (FOB MANUFACTURER).

j. Recommended Spare Parts List: List shall contain the manufacturer's recommendation for five (5) years, two (2) years, and one (1) year spare parts stock levels in Afghanistan. Current unit price and effective date, lead time, shelf life for each individual part, and total cost of all recommended parts shall be furnished.

#### 1.32.2.3 Preparation of O&M Data for Each Equipment

At least two (2) sets of the final approved O&M Data shall be composed of original copies. No other form of printed and prepared data shall be acceptable unless approved in writing by the Contracting Officer. All data shall be prepared in the English language covering data described in paragraph EQUIPMENT FOR WHICH O&M DATA MUST BE SUBMITTED, and shall be furnished in the number of submittals (number of sets of volumes) specified in Section 01335 SUBMITTAL PROCEDURES FOR DESIGN/BUILD PROJECT of the Technical Provisions. Each item of equipment shall be cross-referenced in the equipment O&M Data and Systems Manuals, to include installation location using the Contractor's system of identification as approved by the Contracting Officer. All data shall be presented on 8-1/2 x 11 inch sheets to the greatest possible extent. Foldouts will normally be limited to 11 x 17 inch sheets. For other sets of data, reproductions shall be clear, legible, re-reproducible, and not subject to fade. Extraneous information on inapplicable models or components shall be removed or suitably marked through. O&M data shall be contained in a volume consisting of multi-ring binders of good commercial quality. Each volume shall be identified by the equipment name as shown on the Equipment O&M Data Sheet, and sequentially numbered. Each volume shall include an index of items



included in the binder and the index shall be the first sheet in the binder, and all remaining data shall be taped accordingly. Volume binders shall be packed (maximum) 2/3 full to allow easy access to contents.

#### 1.32.2.4 O&M Data Submittal Procedure for Each Equipment Item

The initial submittal of O&M Data for each item of equipment shall include all data required in paragraph DATA TO BE PROVIDED FOR EACH EQUIPMENT ITEM above, and as required by the technical specifications. Each O&M Data Package shall be submitted in two (2) copies to the Contracting Officer for approval of format and content, not later than ninety (90) calendar days following equipment item selection approval. After approval the two (2) copies will be returned to the Contractor to maintain for incorporation into the final submittal of the full set of O&M Manuals. The Contractor shall allow a minimum period of forty-five (45) calendar days from receipt by the Government (exclusive of mailing time) for the Government review and approval/disapproval of O&M data.

#### 1.32.2.5 Payment for Preparation and Submittal of O&M Data for Individual

Equipment Items For payment purposes, preparation and submittal of required O&M data shall be considered as part of the price for the individual item of equipment.

#### 1.32.3 O&M Data for Systems

The Contractor shall develop and provide the data beyond separate equipment items necessary to operate and maintain all civil, mechanical and electrical systems for each building, each central plant, and/or each distribution or collection system. A system is defined as a group of equipment items related in purpose and which share electrical power or communication circuits as in a fire alarm system or which share mechanical piping or ductwork as in an HVAC system. O&M data for systems shall be submitted as described below.

##### 1.32.3.1 Preparation and Organization of Systems O&M Manuals

At least two (2) sets of the final approved systems O&M manuals shall be composed of original copies. For each location and for each system installed, the Contractor shall prepare and provide the required number of sets of separate complete system O&M Manuals, bound in loose leaf three ring binders. These manuals will provide the basic information and direction needed by journeymen operators to effectively operate each system and by journeymen maintenance technicians to perform Preventive Maintenance (PM) and Corrective Maintenance (CM) routines on systems components. The following identification shall be printed on the cover and spine of each binder, the words "OPERATING AND MAINTENANCE INSTRUCTIONS", plus name of the system, the location of the building(s). When two or more binders are required for the data, for an individual system, the binder shall be marked 1 of n, 2 of n, 3 of n, etc. (where n equals the total number of binders). Each manual shall have a complete index page(s), which shall be inserted after the title page of the first volume of that system. Title page shall include name of project and project number. Each binder shall have a complete index that lists all the information and data contained in the binder(s).

All systems O&M Manuals shall include the following:

- a. Each piece of equipment will have a divider and tab properly identified.
- b. Each section for each piece of equipment will have a divider and tab properly identified.
- c. Narrative description of principles of operation.
- d. Systems flow diagrams showing point-to-point connections, sequence of operation, control diagrams and identification of each system component.

- e. Electrical single line and three (3) line diagrams in sufficient detail to define the system and operation of related parts.
- f. Final balancing reports for air, water and other systems as applicable. (These may be added to the manual after installation testing is completed and accepted.)
- g. Systems test reports and certification.
- h. Operating procedures including pre-start, start-up, and normal operation, emergency operation, normal and emergency shut-down.
- i. Schedules including valve schedules, circuit breakers schedules, equipment schedules, etc.
- j. List of special tools and test and calibration equipment.
- k. List of systems components cross referenced to the O&M equipment data volume number.
- l. System preventive maintenance procedures and schedules.
- m. System troubleshooting guides.
- n. System corrective maintenance procedures.
- o. Folded-up copy of the system's wall charts (Training instructions).

#### 1.32.3.2 Submittal of Systems O&M Manuals

Submittal of Systems O&M Manuals for each system installed shall include all data required in paragraphs 1.32.2.2.a thru 1.32.2.2.j hereinbefore. Two (2) copies shall be submitted to the Contracting Officer for approval not later than 30 calendar days prior to the construction completion date. If disapproved, the two (2) copies will be returned to the Contractor for correction and re-submittal. Final submittals of all Systems O&M Manuals must include and be simultaneous with all O&M Data Manuals for equipment associated with that system, and must be in Pashto, English and Dari. Upon completion of systems check out and acceptance tests, the Contractor shall submit a supplemental submittal containing any addition, deletion or correction found appropriate due to these tests performed in the field or during training.

#### 1.32.4 Framed Instructions for Systems

For each system, the Contractor shall provide framed instructions mounted on the wall of each mechanical and electrical equipment room, which contains a portion of the system. The size of the framed instructions will be governed by the content to be framed plus room for a minimum of two (2) inch border. The framed instructions shall include drawings and typed narrative descriptions as required to provide the following information:

##### 1.32.4.1 Drawings

Drawings containing flow, piping, instrumentation and control diagrams of mechanical systems and wiring and control schematics of electrical systems contained within or controlled from that equipment room.

##### 1.32.4.2 Equipment and System Narrative

Narrative containing equipment and system normal pre-start, start-up, operating and shut-down procedures.

##### 1.32.4.3 Emergency Shut-Down Narrative

Narrative of emergency shut-down instructions and safety precautions.

##### 1.32.4.4 Preparation and Installation of Framed Instructions

All material prepared for use as framed instructions to meet the requirements of paragraph EQUIPMENT AND SYSTEM NARRATIVE above shall be prepared in the English language. All material prepared for use as framed instructions to

meet the requirement of paragraph EMERGENCY SHUT-DOWN NARRATIVE above shall be prepared in Pashto, Dari and English. Drawings and narratives prepared for use as framed instructions shall be submitted to the Contracting Officer for approval prior to posting. Framed instructions shall be mounted using frames with glass or rigid plastic covers as approved by the Contracting Officer.

All framed instructions must be posted before final acceptance testing of the equipment and systems.

#### 1.32.5 Contractor Responsibility for Updating O&M Information

The Contractor shall be responsible for the accuracy of all information furnished in accordance with the above requirements. The Contractor shall be responsible for updating or supplementing all O&M data, including data which has been previously submitted, to reflect changes in the contract or to correct errors discovered by any other means. The O&M data for separate equipment items, the systems O&M Manuals, and the framed instructions prepared by the Contractor shall be utilized and verified during installation and testing of the equipment and/or systems and shall be updated and corrected as required. Errors found during systems testing and validation shall be corrected within fourteen (14) calendar days of completion of each test and validation.

Drawings, pages of text, etc. of systems O&M Manuals shall be complete in final form. Marked-up drawings or pages are not acceptable.

1.33 thru 1.35 NOT USED

### 1.36 INSTRUCTIONS AND TRAINING FOR OPERATION AND MAINTENANCE

#### 1.36.1 General

The Contractor shall be responsible for the instruction and training of operating and maintenance personnel as specified below and in the Technical Provisions of the specifications. Unless otherwise indicated in the Technical Provisions, operating and maintenance instructions shall be given for a minimum period as follows:

##### Title Duration of Training

Water System: Provide 40 Hours Training.

Power System: Provide 40 Hours Training.

Sewage System: Provide 40 Hours Training.

#### 1.36.2 Operation and Maintenance Training

The Contractor shall provide competent instructors for training of personnel designated by the Contracting Officer to operate mechanical and electrical building systems and equipment, perform the required preventive maintenance to minimize breakdown, and to perform necessary repairs when malfunction or breakdown of equipment occurs. Such training shall consist of classroom and on-the-equipment training for the periods specified, which shall be completed prior to acceptance of a system or equipment, as applicable. The instructor(s) shall have no other duties during the period of training. Classroom instruction shall not exceed fifty percent (50%) of the total training time, with the balance devoted to on-the-equipment demonstration and familiarization. Emphasis will be given to both electrical and mechanical features, in accordance with approved training plans. The Contractor shall be prepared to offer training in Pashto, Dari and English.

#### 1.36.3 Arrangements

The training shall be for not less than the periods of time specified, five (5) days per week, and eight (8) hours per day, subject to review and approval by the Contracting Officer. Each individual training session shall be presented one time only, shall be video taped in a television system compatible with the local area, and be scheduled in a manner acceptable to the Contracting Officer. At the completion of training, the video tapes shall become the property of the Government. In addition to the Contractor's requirements to video tape each training section, the Government reserves the right to record, in any manner, the subject training material, or training sessions given by the Contractor, without additional cost to the Government. Recordings obtained will be used in future training by the Government. The operating and maintenance manual data, as specified to be furnished in these Special Clauses, shall be used as the base material for training.

#### 1.36.4 Scheduling

The Contractor shall contact the Contracting Officer for the purpose of preliminary planning, scheduling, and coordination of training, to maximize effectiveness of the training program for available operating and maintenance personnel. The Contractor shall initiate and make arrangements for such contact within 30 calendar days after receipt of notification of award of contract; and shall include all significant times in scheduling and completing training in his PROJECT SCHEDULE. The Contractor shall provide a draft training outline sufficient in detail to provide a broad indication and the type of scope of training to be given. It shall include but not be limited to; (a) a list of subjects to be presented; (b) estimated amounts of classroom and on-the-equipment instruction for each subject; (c) a list of minimum qualifications for instructors; and (d) discussions concerning the types and amounts of visual aids, reference materials, tools and test equipment, mock-up and other training materials that will be employed during training.

#### 1.36.5 Preliminary Plan

The Contractor shall submit seven (7) copies of an outline of his proposed training plan to the Contracting Officer for review and approval not later than 45 calendar days after Notice to Proceed. The plan will be reviewed and coordinated with the content of the O&M manuals.

#### 1.36.6 Plan

The Contractor shall submit seven (7) copies of his proposed training plan to the Contracting Officer for approval not later than ninety (90) calendar days prior to start of any training. The plan shall include the following; (a) a weekly outline showing overall form and design of training presentation; (b) a day-by-day schedule showing time intervals, the major and subordinate subjects to be covered in each, the name of the instructor(s) and qualification summary of each, and identification of related handouts; (c) summary of the number of hours of classroom and on-the-equipment training; (d) a list of reference materials to be provided by the Contractor to the trainees; and (e) a list and description of the training materials to be used, such as text, visual aids, mock-up, tools, etc. The Contractor shall be responsible for furnishing all training materials except the following: The Government will provide space, chairs, and tables for classroom training, and three (3) sets of the O&M Manuals required by the Contractor per Section 01335 SUBMITTAL PROCEDURES of the specifications. Provision of these manuals is solely for reference purposes, and in no way relieves the Contractor from providing all instruction and materials necessary for training personnel designated by the Government. All costs for resubmission of training plans, training materials, etc., as requested by the Contracting Officer shall be borne by the Contractor. Re-submittals shall be made within twenty (20) days of notice from the Contracting Officer.

#### 1.36.7 Attendance Roster/TAC Form 356

The Contractor shall develop an attendance roster or a similar documents

indicating each student's attendance, prior to the start of each class, subject and/or topic. This includes both "Hands-On" and classroom training. It is strongly recommended that each student trained be required to sign this document at the beginning of each class day for each and every class, subject and/or topic taught on that day. The Contractor's failure to have student attendance verified in writing may be cause for the Government to order the Contractor to repeat schooling where evidence of attendance can not be verified. No part of the time lost due to such repeat instruction shall be made the subject of claim for extension of time or for excess costs or damage by the Contractor. Within ten (10) working days after completion of Operation and Maintenance Training conducted in accordance with this clause and/or applicable Technical Provision section, the Contractor shall complete and submit TAC Form 356 "Operation and Maintenance Training Validation Certificate". The attendance roster shall be included as an attachment to TAC Form 356.

#### 1.37 NOT USED

#### 1.38 LOCALLY AVAILABLE SERVICE FOR EQUIPMENT

All equipment furnished under this contract, regardless of country of manufacture or purchase, must have in-country service availability. In the event that the Contractor proposed to provide equipment for which in-country service is not available, the Contractor must provide written justification for the Contracting Officer's approval. This justification shall be submitted for each product or material for which a waiver is sought concurrently with the submittal required by the Technical Provisions. Submission of group or "blanket" waivers is unacceptable.

#### 1.39 NOT USED

#### 1.40 CONTRACTOR FURNISHED EQUIPMENT LISTS

The Contractor shall furnish a list of all items, other than integral construction type items, furnished under the contract. Items such as furniture, drapes, rugs, vehicles, office machines, computers, appliances, etc., shall fall under this category. The Contractor's list shall describe the item; give the unit price and total quantities of each. Model and serial numbers for equipment shall be provided when applicable. The Contractor shall keep an up-to-date register of all covered items and make this information available to the Contracting Officer or his representative at all times. Prior to acceptance, the Contractor shall submit the complete register to the Contracting Officer.

#### 1.41 NOT USED

#### 1.42 TIME EXTENSIONS FOR UNUSUALLY SEVERE WEATHER

##### 1.42.1 General

This provision specifies the procedure for determination of time extensions for unusually severe weather in accordance with the Contract Clause 52.249-10

entitled DEFAULT (FIXED-PRICE CONSTRUCTION) APR 1984. The listing below defines the anticipated unusually severe weather for the contract period and is based on National Oceanic and Atmospheric Administration (NOAA) or similar data for the geographic location of the project. The schedule of anticipated unusually severe weather will constitute the baseline for determining weather time evaluations. Upon acknowledgment of the Notice to Proceed (NTP) and continuing throughout the contract period, actual unusually severe weather days will be recorded on a calendar day basis (including weekends and holidays) and compared to the anticipated unusually severe weather in the schedule below. The term "actual unusually severe weather days" shall include days actually impacted by unusually severe weather. The Contractor's schedule must reflect the anticipated unusually severe weather days on all weather dependent activities.

## UNUSUALLY SEVERE WEATHER CALENDAR DAYS

Jalalabad: November - February

### 1.42.2 Time Extensions

The number of actual unusually severe weather days shall be calculated chronologically from the first to the last day in each month. Unusually severe weather days must prevent work for fifty percent (50%) or more of the Contractor's work day and delay work critical to the timely completion of the

project. If the number of actual unusually severe weather days exceeds the number of days anticipated in the paragraph above, the Contracting Officer will determine whether the Contractor is entitled to a time extension. The Contracting Officer will convert any qualifying delays to calendar days and issue a modification in accordance with the Contract Clause 52.249-10 entitled DEFAULT (FIXED-PRICE CONSTRUCTION) APR 1984.

### 1.43 NOT USED

### 1.44 STANDARDIZATION

Where two or more items of the same type or class of equipment furnished in this project are required, the units shall be products of the same manufacturer and shall be interchangeable when of the same size, capacity, performance characteristics, and rating. The only exception to this requirement is where the items are interchangeable due to conformance with industry standards (valves, fittings, etc.), they need not be by the same manufacturer. This requirement applies to all manufactured items in the project, which normally require repair or replacement during the life of the equipment.

### 1.45 NOT USED

### 1.46 RESIDUAL CONSTRUCTION MATERIAL

All Contractor purchased materials and equipment intended for incorporation into the completed facilities and which are later determined excess to the actual construction requirements, will become the property of the Government. The residual materials and equipment shall be tagged (giving the area where like type material and equipment were installed), and stored in an orderly manner in a designated area as directed and approved by the Contracting Officer.

### 1.47 thru 1.51 NOT USED

### 1.52 MILITARY BASE RULES AND REGULATIONS

The Contractor and his employees and subcontractors shall become familiar with and obey all Base rules and regulations including fire, traffic and security regulations. All personnel employed on the Base shall keep within the limits of the work (and avenues of ingress and egress), and shall not enter any Restricted Areas unless required to do so and prior clearance for such entry is obtained. The Contractor's equipment shall be conspicuously marked for identification.

### 1.53 IDENTIFICATION OF EMPLOYEE'S PERSONNEL AND VEHICULAR ACCESS TO THE PROJECT SITES

The Base Security maintains the ultimate authority for establishing, monitoring, and enforcing security requirements for the Base Security Office. All contractors, subcontractors, or vendor personnel and vehicles at any tier working at any location on the Base are subject to a thorough search upon entering,

departing, or at any time deemed necessary by the Base Security Personnel. The Contractor shall be responsible for compliance with all the Base Security requirements. The Government reserves the right to deny access or to require the Contractor to remove any personnel or equipment deemed to be a threat to the security of the Base Security Office or the Base personnel. The Contractor shall work through the Contracting Officer to ensure that the Base Security Regulations are followed.

#### 1.53.1 Employee Identification

The Contractor shall be responsible for furnishing to each employee and for requiring each employee engaged on the work, to display identification as approved and directed by the Contracting Officer. Prescribed identification shall immediately be delivered to the Contracting Officer for cancellation upon release of any employee. When required, the Contractor shall obtain and provide fingerprints of persons employed on the project. Contractor and subcontractor personnel shall wear identifying markings on hard hats clearly identifying the company for whom the employee works.

#### 1.53.2 Identification of Contractor Vehicles

The Contractor shall be responsible for requiring each vehicle engaged in the work to display permanent vehicular identification as approved and directed by the Contracting Officer. If acceptable to the Base Security Office and approved by the Contracting Officer, the Contractor may institute a system of non-permanent temporary identification for one-time delivery and transit vehicles. Each Contractor vehicle, machine, piece of equipment, or towed trailers, shall show the Contractor's name such that it is clearly visible on both front doors of the vehicle and both sides of a towed trailer. A valid license plate shall be displayed at all times. Contractor vehicles operated on Government property shall be maintained in a good state of repair, shall be insured, and shall be registered in accordance with Afghan Law.

#### 1.53.3 Security Plan

The Contractor shall submit to the Contracting Officer, within fifteen (15) calendar days after Notice to Proceed, his proposed personnel and vehicular access plan. This plan shall cover all elements for issuance of the access passes, safeguarding of unissued passes, construction security operations, lost passes, temporary vehicle passes, and collection of passes for employee's and vehicles on 1)- temporary absence; 2)- termination or release; and 3)- termination or completion of contract. The plan shall address in detail the Contractor's proposed procedures, and organization necessary to produce and maintain effective security within the contract limits twenty four (24) hours a day seven (7) days a week.

#### 1.54 and 1.55 NOT USED

#### 1.56 ON-BASE PHOTOGRAPHY PROHIBITION

The Contractor shall not engage in any form of photography without prior written approval from the Contracting Officer.

#### 1.57 PUBLIC RELEASE OF INFORMATION

##### 1.57.1 Prohibition

There shall be no public release of information or photographs concerning any aspect of the materials or services relating to this bid, contract, purchase order, or other documents resulting there from without the prior written approval of the Contracting Officer.

##### 1.57.2 Subcontract and Purchase Orders

The Contractor agrees to insert the substance of this clause in all purchase

orders and subcontract agreements issued under this contract.

1.58 thru 1.65 NOT USED

1.66 ATTACHMENTS

TAC FORM 61 - Accident Prevention Program Hazard Analysis

TAC FORM 356 - Operation and Maintenance Training Validation Certificate

-- End of Section --

Blast Impact Forces data appears on the following page.



Buildings shall be sited on the project site to maximize standoff distances from secured perimeter.

Materials: The following material minimum properties for the design of these structures.

Concrete – 4000 psi; Reinforcing Steel – 60,000 psi; Masonry – 2000 psi; Masonry Grout – 1350 psi.

MINIMUM STANDARDS TABLE 3.2

Component	Standoff			
	40-meters	50-meters	60-meters	70-meters
3-meter wall height	12-inch w/#5@12-inches OC-EF (R)	9-inch w/#4@8-inches OC-EF (R)	9-inch w/#4@10-inches OC-EF (R)	9-inch w/#4@10-inches OC-EF (R)
	9-inch w/#4@10-inches OC-EF (I)	9-inch w/#4@10-inches OC-EF (I)	9-inch w/#4@10-inches OC-EF (I)	9-inch w/#4@10-inches OC-EF (I)
3.5-meter wall height	12-inch w/#5@12-inches OC-EF (R)	9-inch w/#4@8-inches OC-EF (R)	9-inch w/#4@10-inches OC-EF (R)	9-inch w/#4@10-inches OC-EF (R)
	9-inch w/#4@10-inches OC-EF (I)	9-inch w/#4@10-inches OC-EF (I)	9-inch w/#4@10-inches OC-EF (I)	9-inch w/#4@10-inches OC-EF (I)
3.8-meter roof span	9-inch w/#4@10-inches OC-EF	9-inch w/#4@10-inches OC-EF	9-inch w/#4@10-inches OC-EF	9-inch w/#4@10-inches OC-EF
6.1-meter roof span	9-inch w/#5@12-inches OC-EF	9-inch w/#4@10-inches OC-EF	9-inch w/#4@10-inches OC-EF	9-inch w/#4@10-inches OC-EF
6.1-meter column spacing	16 x 16 w/8-#7 bars (3/side) (R)	16 x 16 w/4-#7 bars (1/corner) (R)	12 x 12 w/4-#7 bars (1/corner) (R)	12 x 12 w/4-#7 bars (1/corner) (R)
	12 x 12 w/4-#7 bars (1/corner) (I)	12 x 12 w/4-#7 bars (1/corner) (I)	12 x 12 w/4-#7 bars (1/corner) (I)	12 x 12 w/4-#7 bars (1/corner) (I)
7.6-meter column spacing	Same as 6.1-meter column spacing	Same as 6.1-meter column spacing	Same as 6.1-meter column spacing	Same as 6.1-meter column spacing
Roof beams @ 3.8-meters O.C. by 7.6-meters	18-inch deep by 12-inch wide w/4-#7 bottom & 2-#7 top	18-inch deep by 12-inch wide w/4-#7 bottom & 2-#7 top	18-inch deep by 12-inch wide w/4-#7 bottom & 2-#7 top	18-inch deep by 12-inch wide w/4-#7 bottom & 2-#7 top
Roof beams @ 6.1-meters O.C. by 6.1-meters	18-inch deep by 12-inch wide w/4-#7 bottom & 2-#7 top	18-inch deep by 12-inch wide w/4-#7 bottom & 2-#7 top	18-inch deep by 12-inch wide w/4-#7 bottom & 2-#7 top	18-inch deep by 12-inch wide w/4-#7 bottom & 2-#7 top

Walls: Minimum wall reinforcing shall be 0.25% steel in a 9-inch thick concrete wall. Walls shall be designed to span vertically and have fixed-fixed end conditions. Walls shall not be tied to the columns. Reinforcing steel interrupted by openings in the wall shall be supplemented by reinforcing steel on either side of the opening. Reinforced concrete building walls shall be designed using standoff distances from the compound perimeter wall and Table 3.2. Each wall shall be designed independently based on standoff distance from the compound perimeter wall.

Roofs: Roof slabs are one-way elements with simple-fixed end conditions. Design roof as 9-inch concrete slab with 12.5-foot to 20-foot span with 0.25% steel, minimum. Reinforcing steel interrupted by openings in the slabs shall be supplemented by reinforcing steel on either side of the opening. Roof shall be designed using standoff distances from the compound perimeter wall that correlate with the table below. (All habitable spaces have concrete roof slab for Force Protection in addition to any roof covering to divert rain)

Columns: Walls shall not be tied into the columns. Shear reinforcing shall be continuous throughout the member. Columns shall be designed as specified in the table and based on standoff distance from the perimeter wall.

Beams: Fixed-fixed elements. Shearing reinforcing required at the supports. Beams shall be designed as specified in the table and based on standoff distance from the perimeter wall.

Glazing: Minimum 1-inch glass. The glass shall be 4-layers of 1/4" annealed laminated glass with 0.060 layers of PVB separating the individual panes of glass. No windows shall be installed where the standoff distance is less than 60 meters. The largest glass dimension shall be 813mm (32") X 1219mm (48"). Frame bite to glazing, frame, and frame connection to jamb, sill and head shall resist 26 psi for entire glazing assembly.

Doors: Doors shall be solid wood core with 10-gage face plates, or UL Level 3 ballistic rated. Exterior doors shall open up into hallways or other unoccupied space. A foyer arrangement can be used with the doors offset. Frame, door, and frame connection to jamb, sill and head shall resist 26 psi for entire assembly. Exterior doors shall open out and be fully supported by frame and threshold.

Outdoor equipment located on the ground shall be a minimum of 9000 mm from the building wall. Equipment shall be placed on concrete pads and surrounded by a fence with a lockable gate in accordance with the Minimum Antiterrorism / Force Protection requirements. Noise from outdoor equipment must be considered when locating equipment. Airflow to and from outdoor units must not be obstructed.